

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010710.D
 Acq On : 28 Sep 2022 12:50
 Operator : KP/MD
 Sample : N4751-02RE
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-2

Quant Time: Sep 29 01:12:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

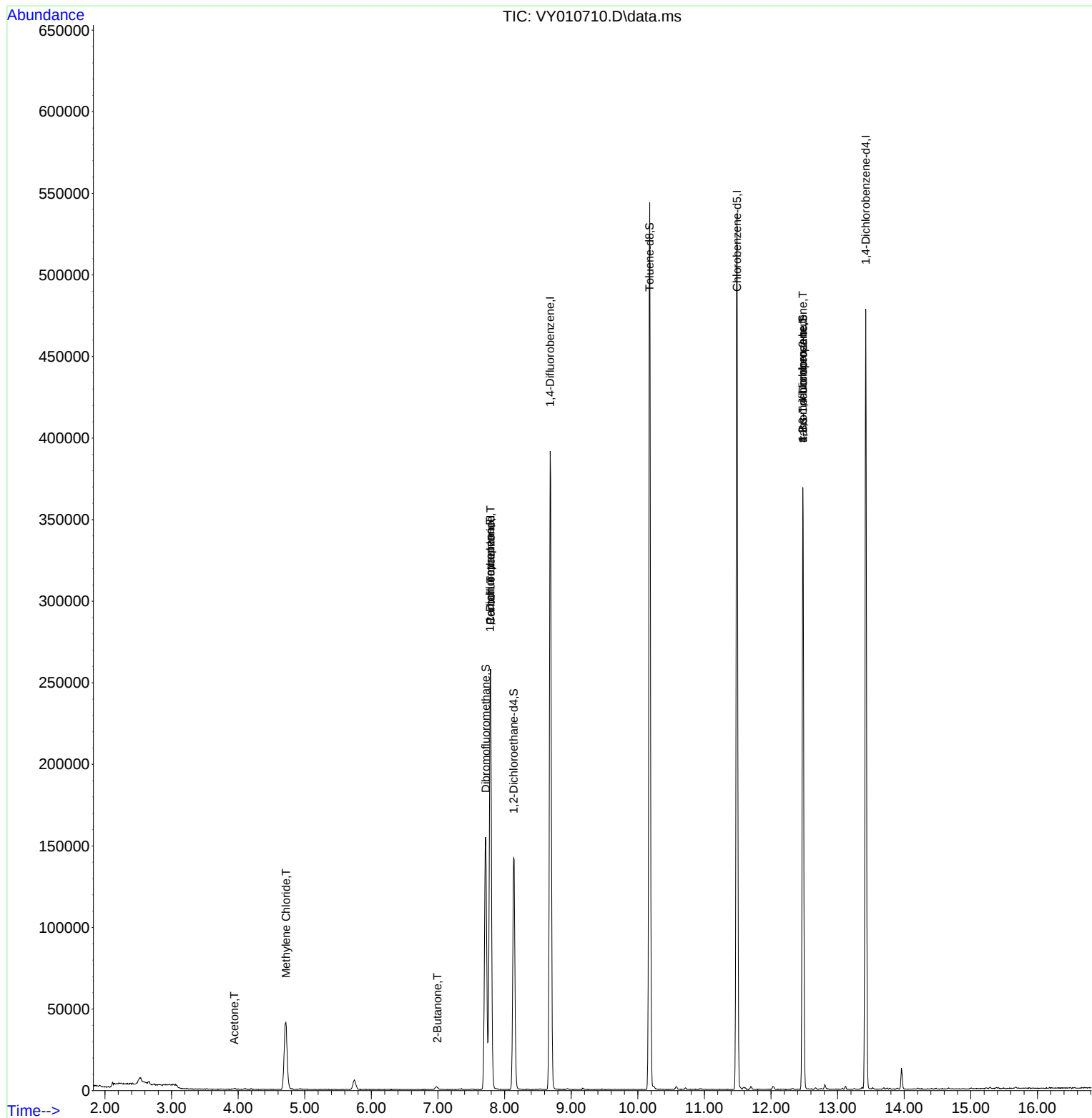
Internal Standards						
1) Pentafluorobenzene	7.789	168	198603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110806	58.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.660%	
35) Dibromofluoromethane	7.716	113	110130	52.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.420%	
50) Toluene-d8	10.179	98	352345	45.499	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.000%	
62) 4-Bromofluorobenzene	12.477	95	109376	37.109	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	79	Below Cal	#	43
3) Chloromethane	2.113	50	459	Below Cal	#	57
4) Vinyl Chloride	2.247	62	46	Below Cal	#	43
5) Bromomethane	2.662	94	412	Below Cal	#	56
11) Tert butyl alcohol	4.936	59	623	Below Cal	#	77
16) Acetone	3.942	43	1081	2.791	ug/l #	86
17) Carbon Disulfide	4.186	76	151	Below Cal	#	75
18) Methyl Acetate	4.704	43	65	Below Cal	#	56
20) Methylene Chloride	4.716	84	32070	4.842	ug/l	85
25) 2-Butanone	6.990	43	650	1.073	ug/l	98
31) Cyclohexane	7.783	56	4619	Below Cal	#	8
36) 1,1-Dichloropropene	7.783	75	15490	6.591	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19861	7.350	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	57439	50.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57439	111.791	ug/l #	7

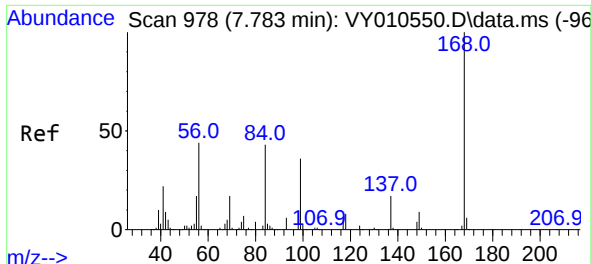
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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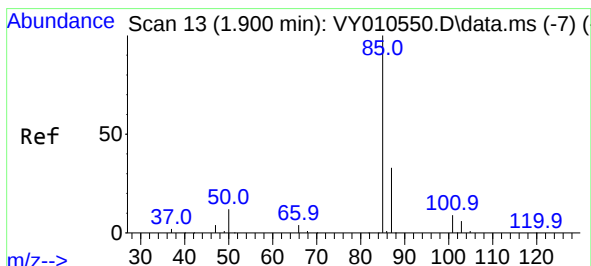
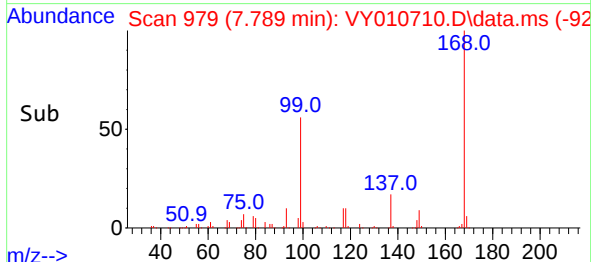
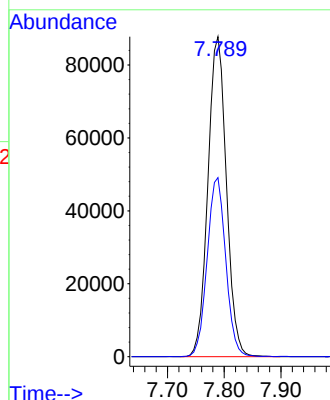
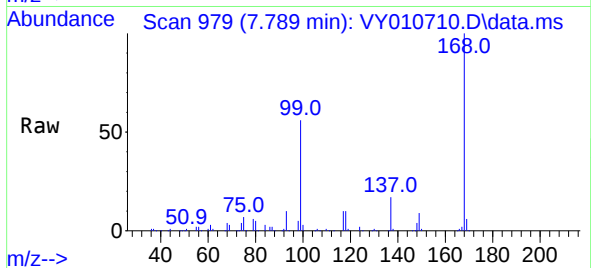




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

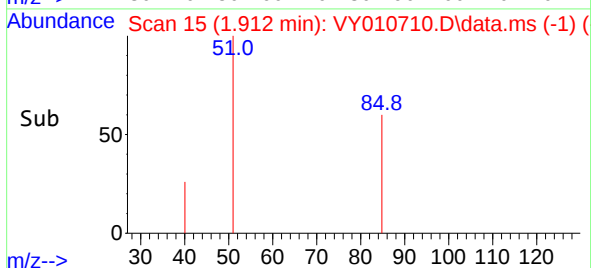
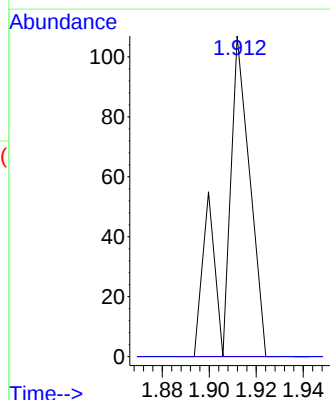
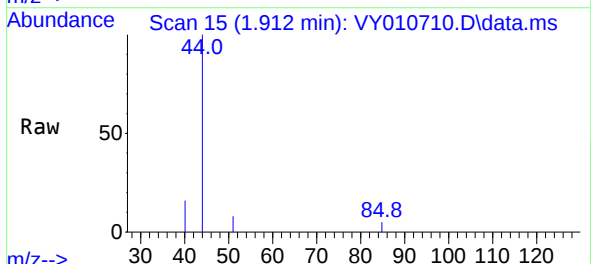
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

Tgt Ion:168 Resp: 198603
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 85 Resp: 79
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

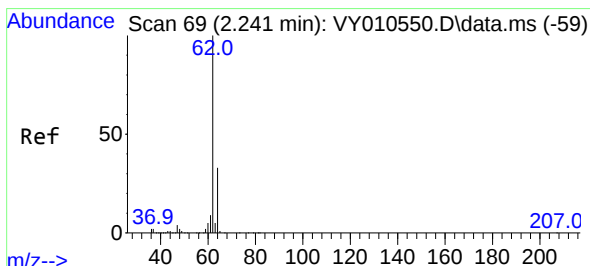
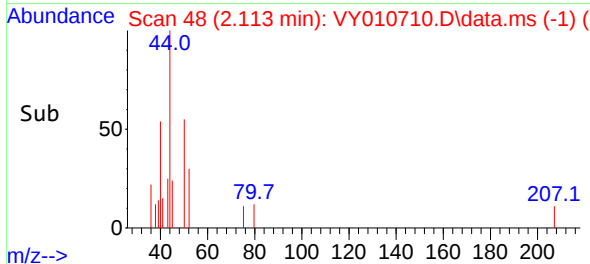
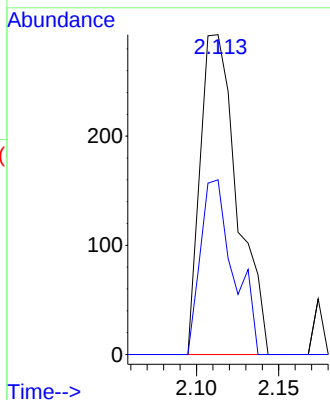
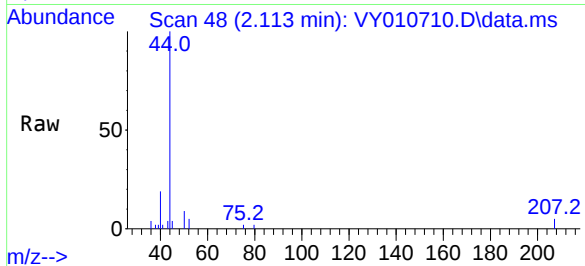




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

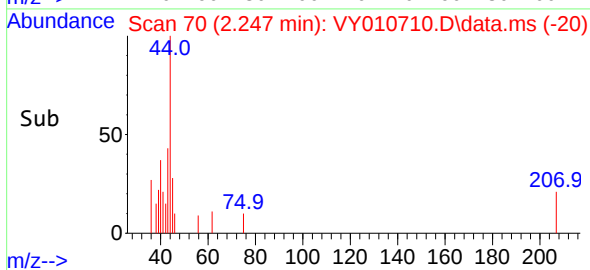
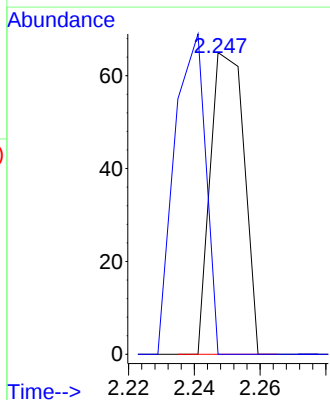
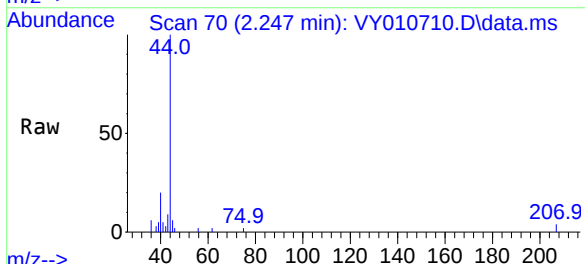
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

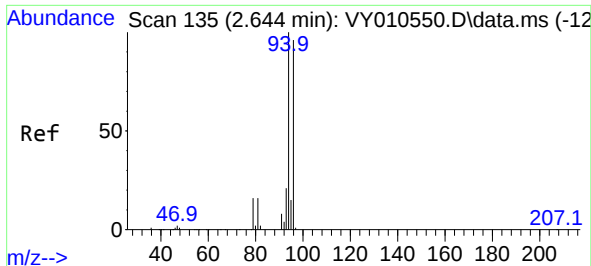
Tgt Ion: 50 Resp: 459
Ion Ratio Lower Upper
50 100
52 54.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 62 Resp: 46
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

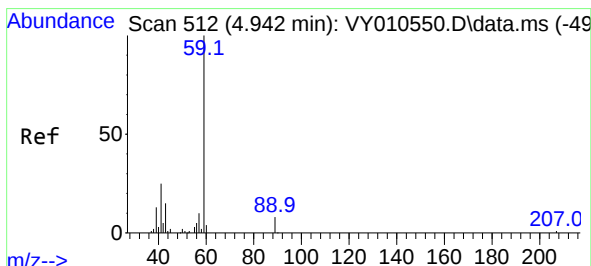
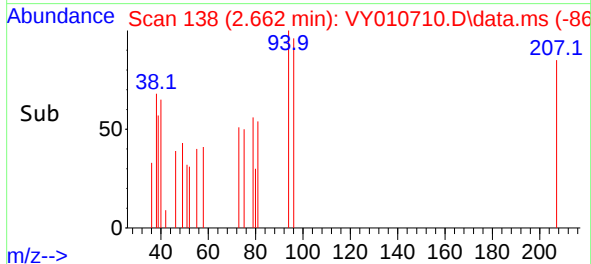
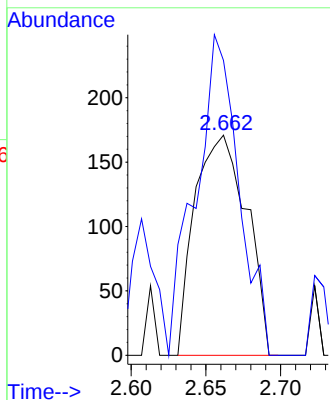
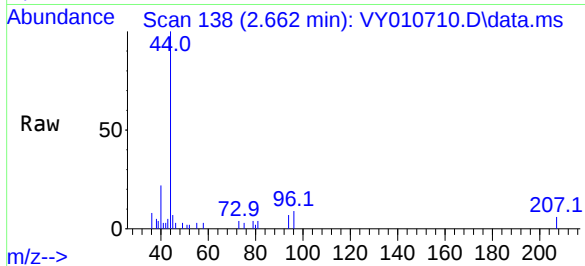




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

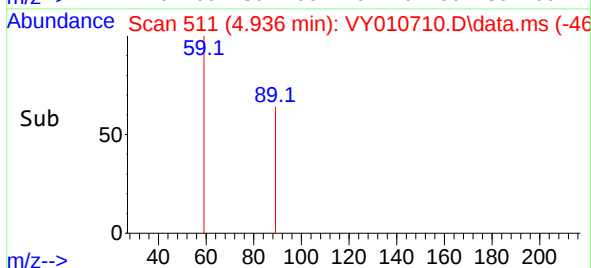
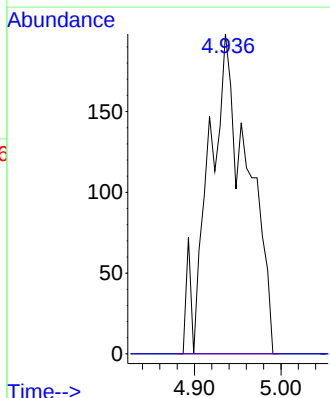
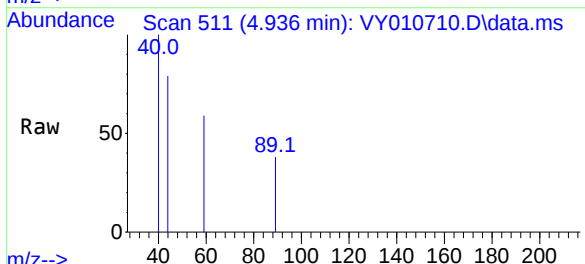
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

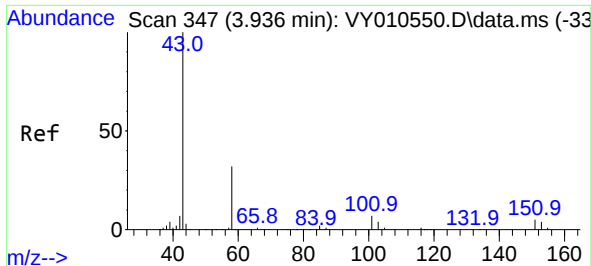
Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 133.9 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

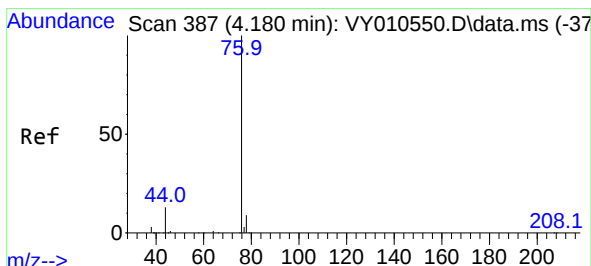
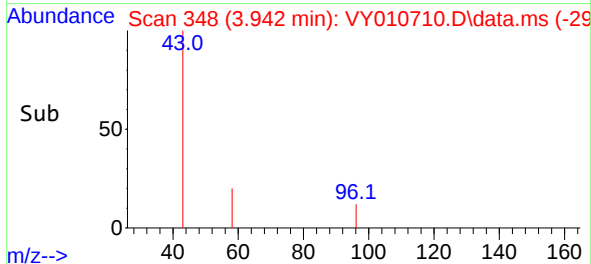
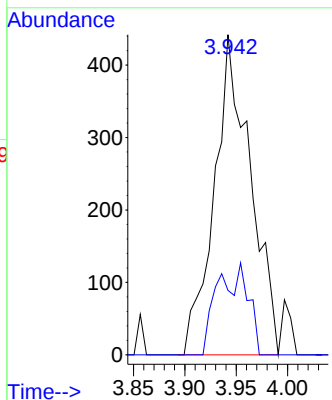
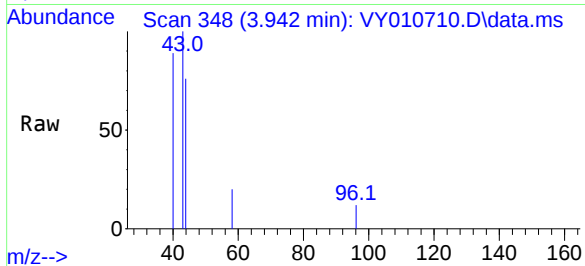




#16
Acetone
Concen: 2.791 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

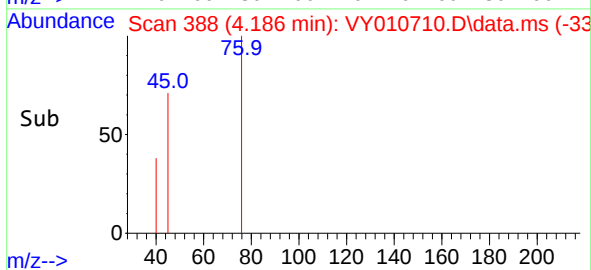
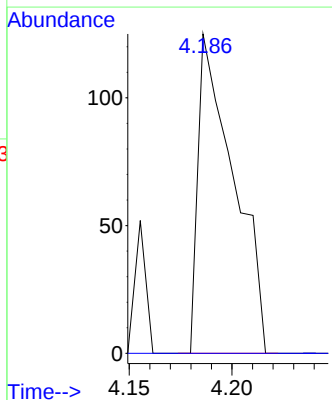
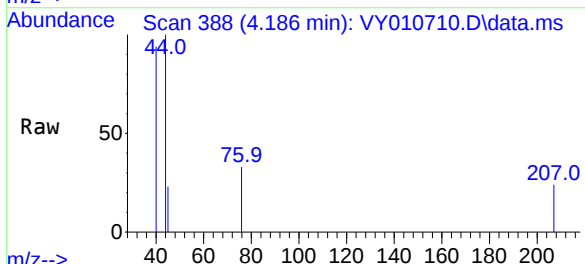
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

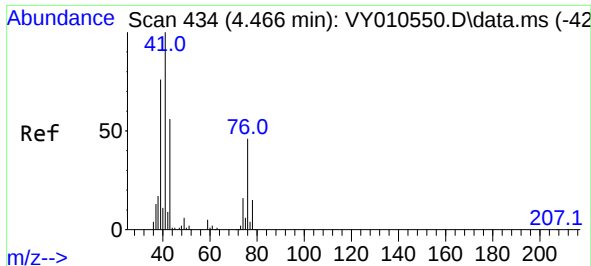
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
58 20.1 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 76 Resp: 151
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

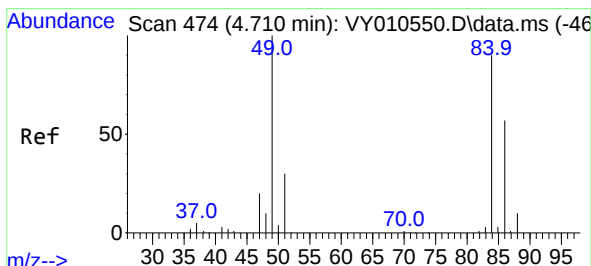
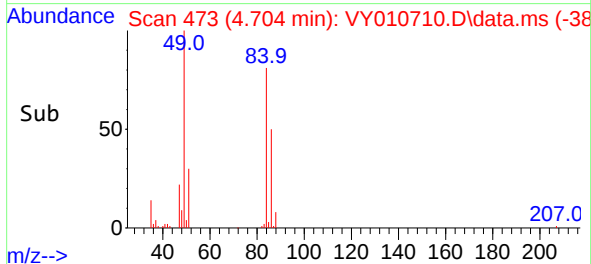
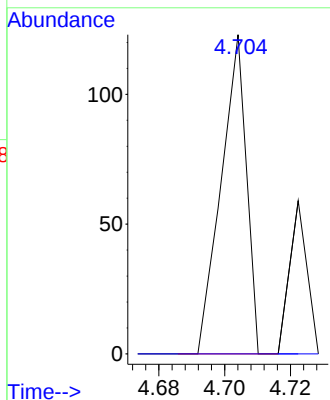
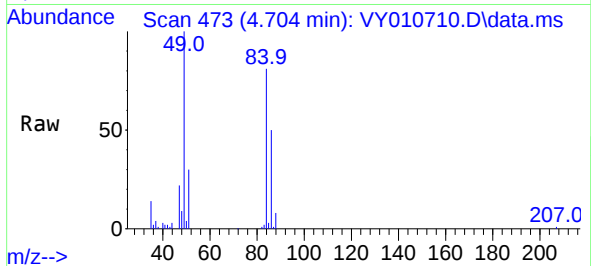




#18
Methyl Acetate
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.238 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

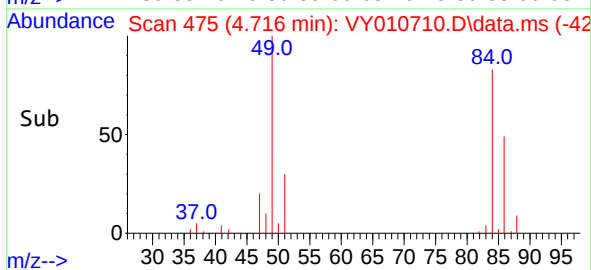
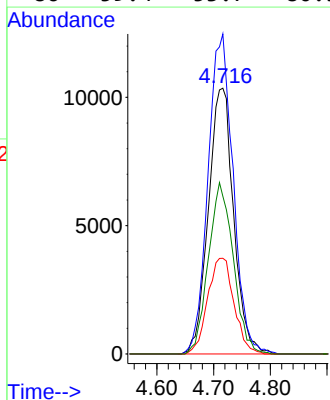
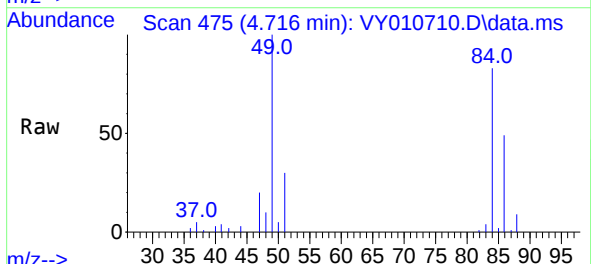
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

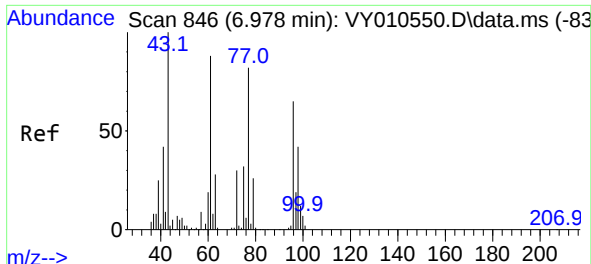
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 4.842 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 84 Resp: 32070
Ion Ratio Lower Upper
84 100
49 120.4 114.4 171.6
51 36.0 35.3 52.9
86 59.4 53.7 80.5

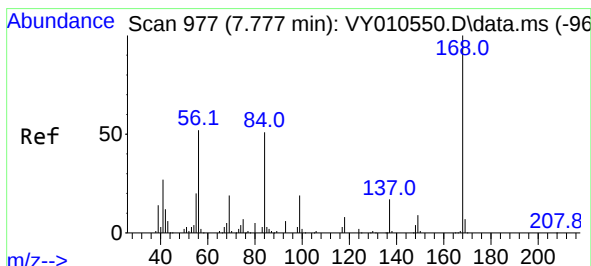
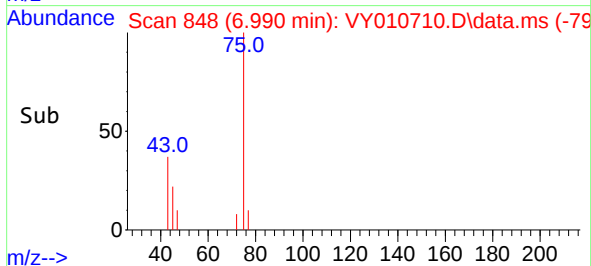
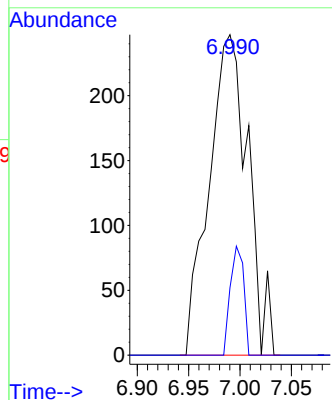
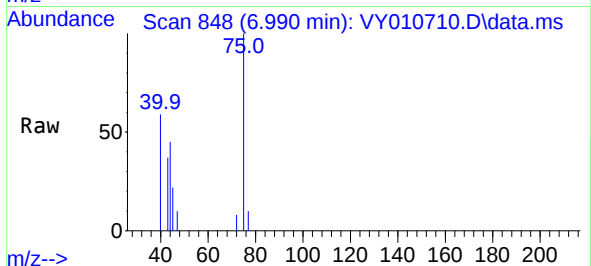




#25
2-Butanone
Concen: 1.073 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

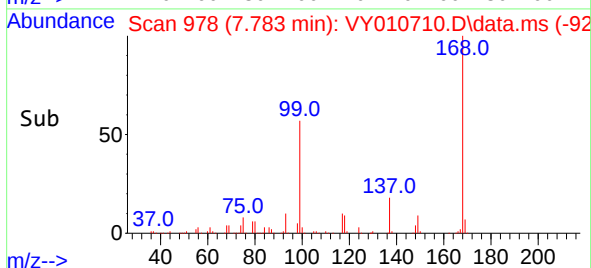
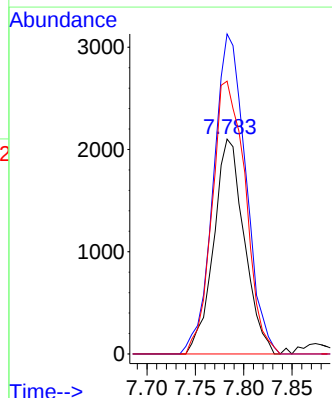
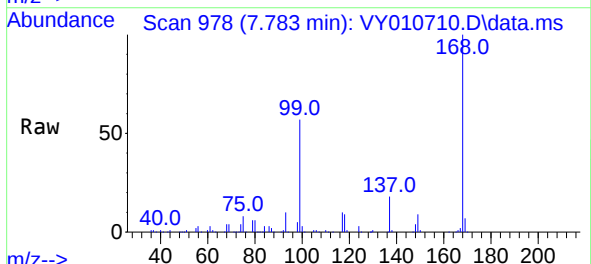
Instrument :
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ClientSampleId :
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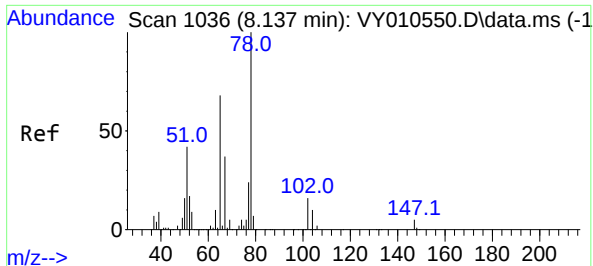
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
72 21.1 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 56 Resp: 4619
Ion Ratio Lower Upper
56 100
69 148.9 26.7 40.1#
84 127.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.332 ug/l

RT: 8.136 min Scan# 110806

Delta R.T. -0.001 min

Lab File: VY010710.D

Acq: 28 Sep 2022 12:50

Instrument :

MSVOA_Y

ClientSampleId :

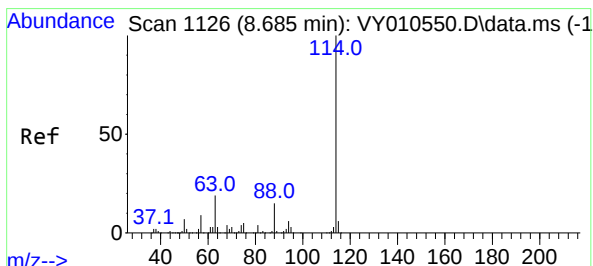
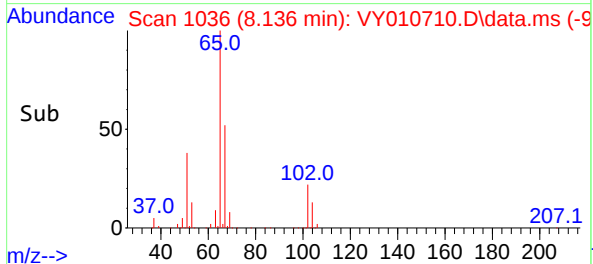
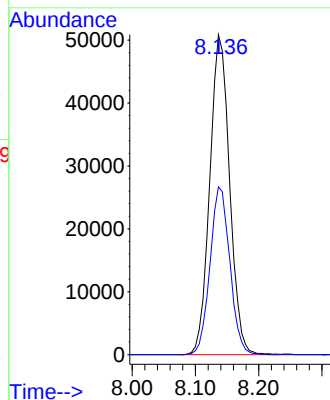
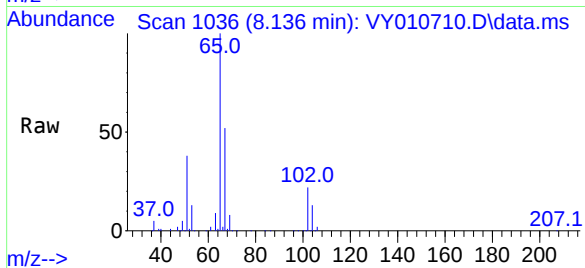
PE-2

Tgt Ion: 65 Resp: 110806

Ion Ratio Lower Upper

65 100

67 52.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010710.D

Acq: 28 Sep 2022 12:50

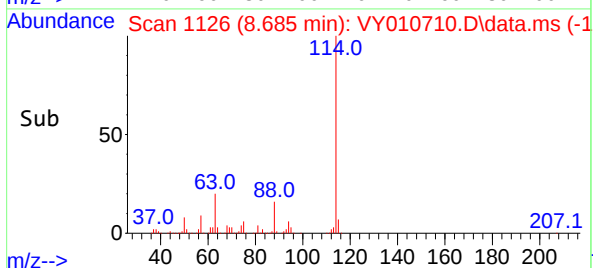
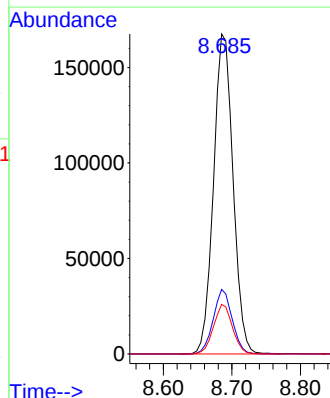
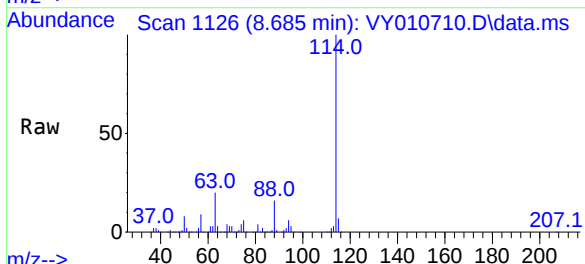
Tgt Ion: 114 Resp: 330505

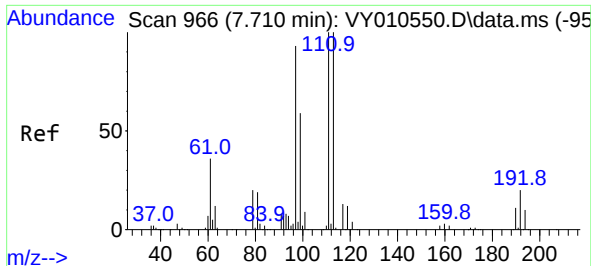
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.5 0.0 31.8

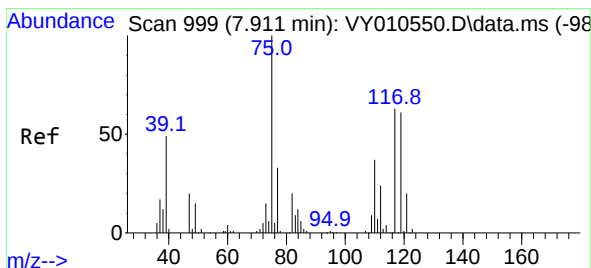
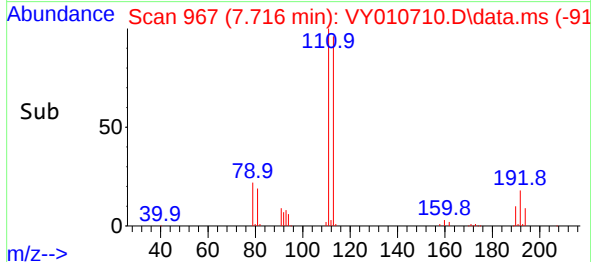
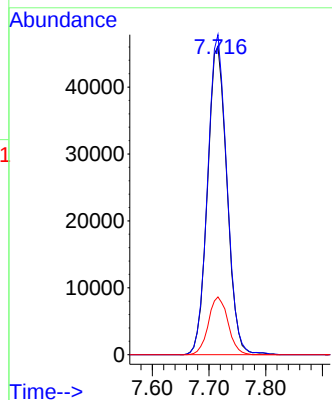
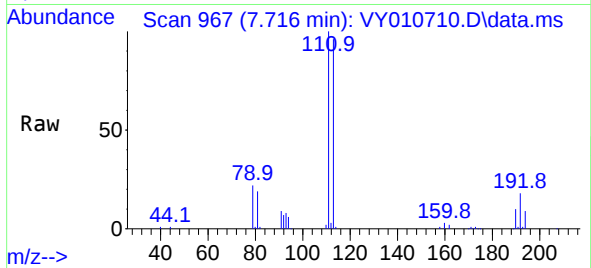




#35
Dibromofluoromethane
Concen: 52.212 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

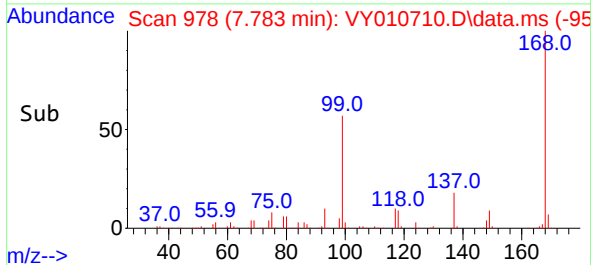
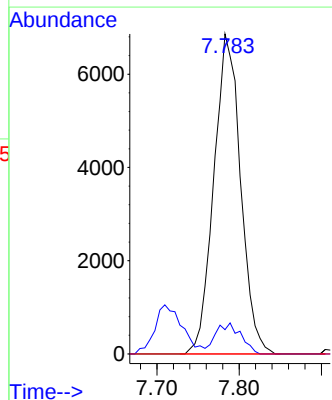
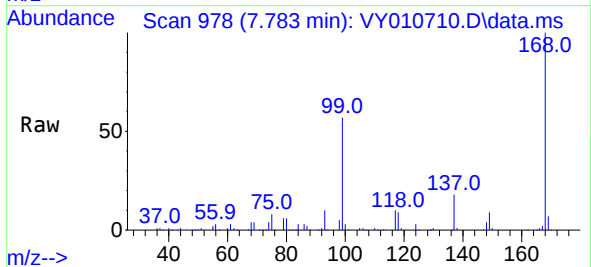
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

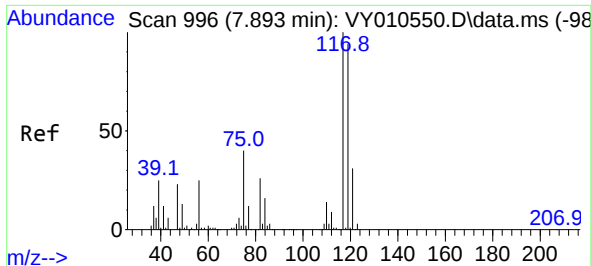
Tgt Ion:113 Resp: 110130
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.591 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 75 Resp: 15490
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#

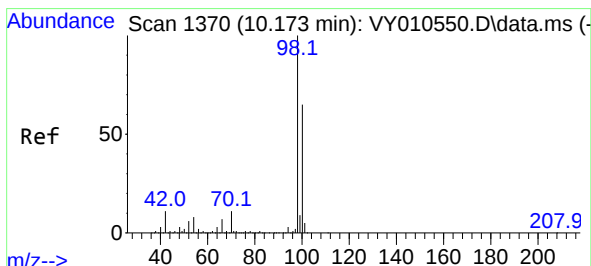
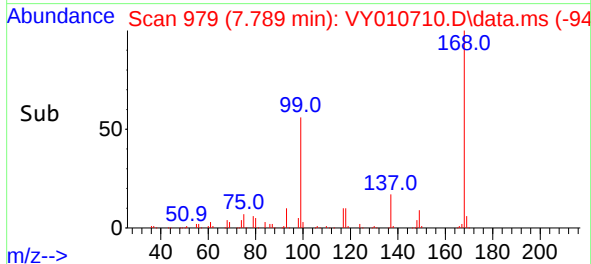
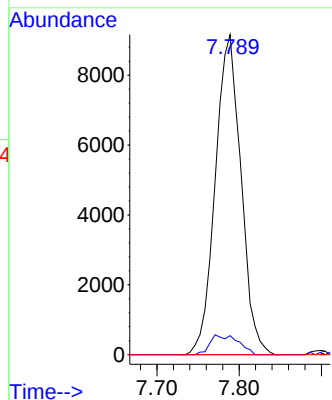
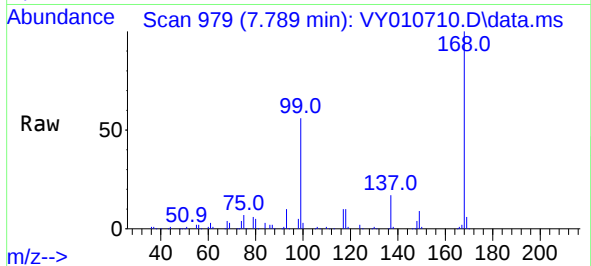




#38
Carbon Tetrachloride
Concen: 7.350 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

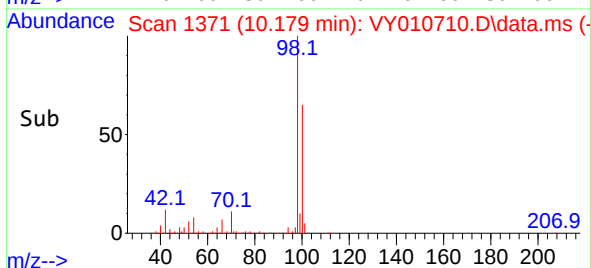
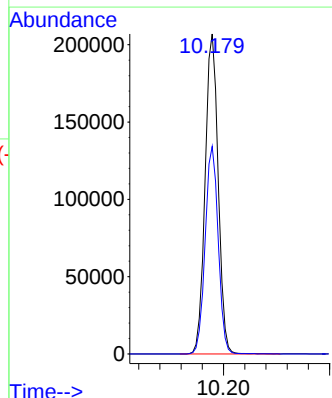
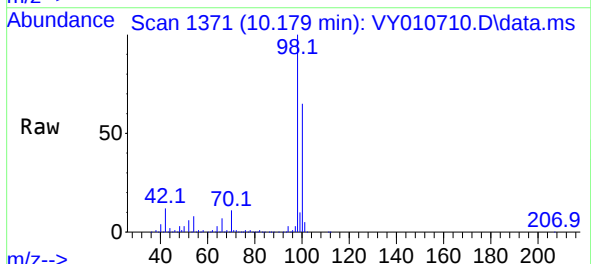
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

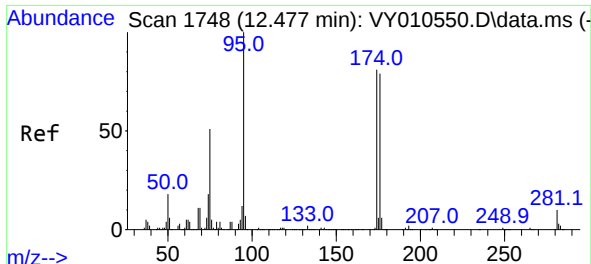
Tgt Ion:117 Resp: 19861
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.499 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 98 Resp: 352345
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

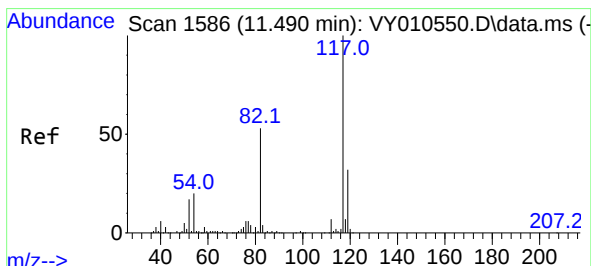
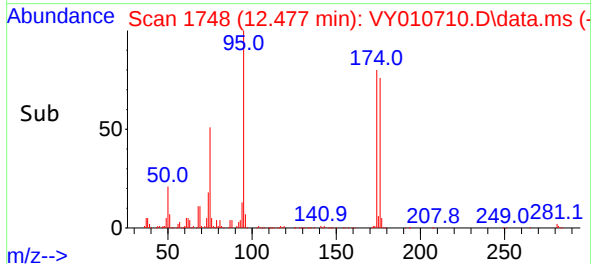
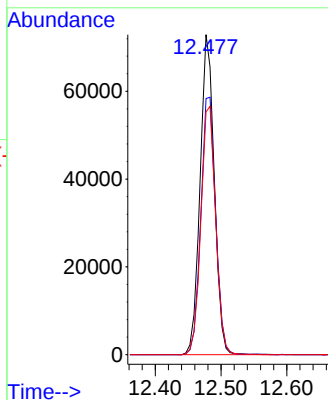
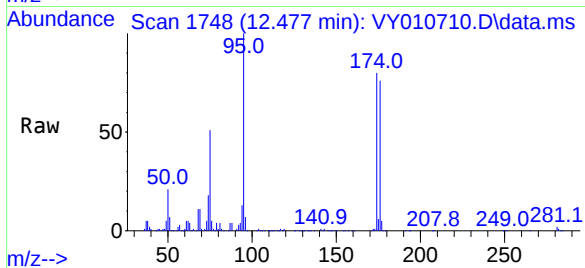




#62
4-Bromofluorobenzene
Concen: 37.109 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

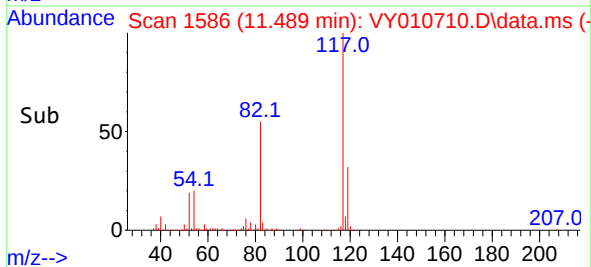
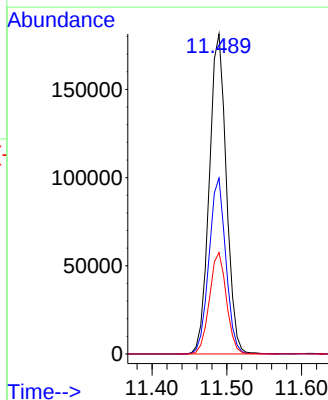
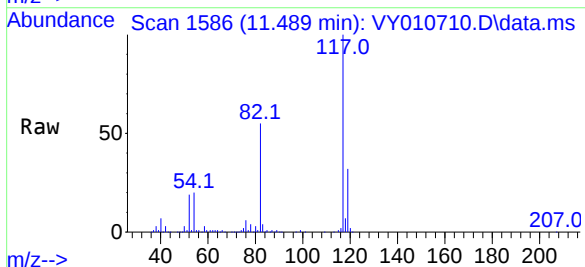
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

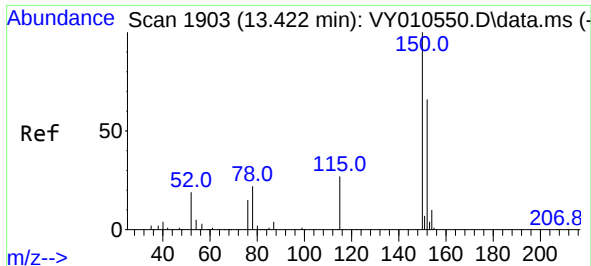
Tgt Ion: 95 Resp: 109376
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 117 Resp: 287970
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 31.7 25.4 38.0

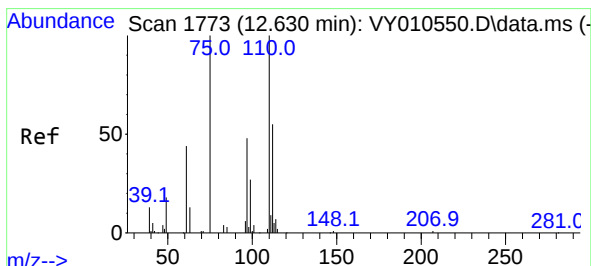
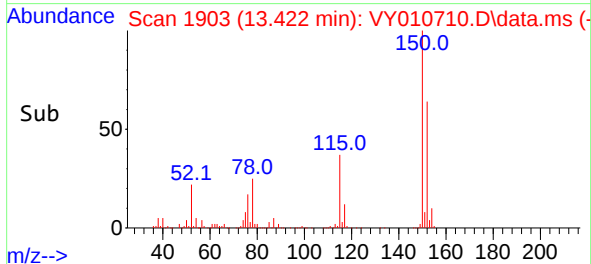
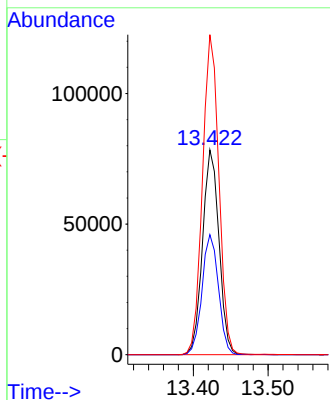
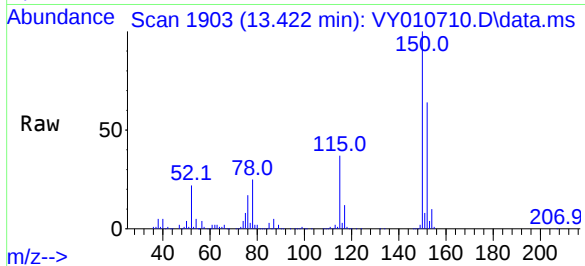




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

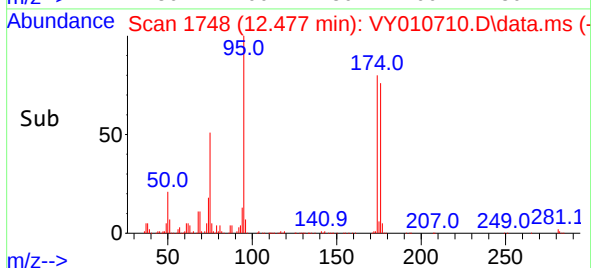
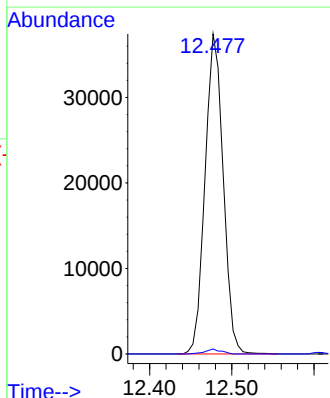
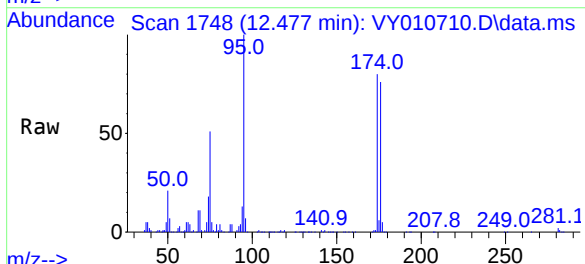
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

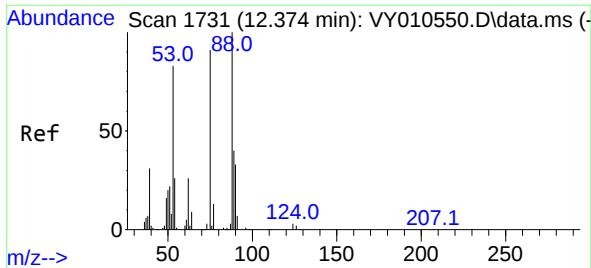
Tgt Ion:152 Resp: 119696
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 155.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.278 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Tgt Ion: 75 Resp: 57439
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 111.791 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010710.D
Acq: 28 Sep 2022 12:50

Instrument :
MSVOA_Y
ClientSampleId :
PE-2

Tgt Ion: 75 Resp: 57439
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

